



**NTP**  
National Toxicology Program

# **NTP BSC Nanotechnology Working Group (NWG)**

**March 15, 2006**

**Maria Morandi, Ph.D.**





## **Purpose and Function**

- **Purpose**

- Provide a forum for public and stakeholder participation
- Consider the research proposed and carried out under the NTP nanotechnology safety initiative and programs of other federal agencies
- Provide advice and comment to the Board of Scientific Counselors

- **Function**

- Advise on scientific content, merit and quality of NTP research programs
- Discuss public health concerns, needs of regulatory agencies, issues of product development



## Structure

- **Members representing:**
  - Non-profit public health and environmental organizations
  - Industry
  - Academia
- **Encourage participation from federal agencies representing:**
  - NTP Executive Committee
  - Nanomaterials Environmental and Health Implications (NEHI) subgroup of Nanoscale Science, Engineering, and Technology (NSET) Subcommittee of the National Science and Technology Council (NSTC)



## **March 2006 Roster**

Steve Roberts, University of Florida (Chair)

John Balbus, Environmental Defense

Vicki Colvin, Rice University

Mark LaFranconi, Procter & Gamble Company

Maria Morandi, University of Texas

Martin Philbert, University of Michigan

James Platner, The Center to Protect Workers' Rights

Jennifer Sass, Natural Resources Defense Council

David Warheit, DuPont Haskell Laboratories



## **Major Discussion Points**

- **National Institute of Standards and Technology (NIST)**
  - Role in nanotechnology research, budget, nanoparticle characterization, reference standards, NIST Advanced Measurement Laboratory, mechanisms for collaboration, nomenclature
- **National Cancer Institute (NCI) at Frederick – Nanotechnology Characterization Laboratory (NCL)**
  - NCL establishment and objectives, focus on medical product development, nanoparticles under study, NCL Assay Cascade, NCI Alliance for Nanotechnology in Cancer, cancer Biomedical Informatics Grid (caBIG), protocol development, validation
- **Environmental Protection Agency (EPA)**
  - Role in nanotechnology research and regulation, EPA Nanotechnology White Paper, Science to Achieve Results (STAR) grants, OECD and other European activities, tiered approaches to safety testing



## **Presentations and Discussion Points**

- **Nanotechnology Environmental and Health Implications (NEHI) Working Group Update**
  - Structure and organizational placement, purpose, content and status of the NEHI Research Needs document
- **NTP**
  - Project goals, classes under study, experimental strategy, updates on specific studies, impediments to progress
- **NIEHS**
  - NIEHS/DERT initiatives, second Interagency Research Solicitation, recent meetings and workshops



## **Future Topics**

- **NTP study updates**
- **New federal agency initiatives**



## **NTP Nanotechnology Resources**

- **NWG Meetings**
  - Presentation, summary minutes, and other meeting materials available at <http://ntp.niehs.nih.gov/> see “Advisory Board & Committees”
- **NTP Nanotechnology Safety Initiative**
  - Updates on NTP projects, FAQs, and other information available at <http://ntp.niehs.nih.gov/go/nanotech>